

# Work Order ID 53776

November 18, 2009 11:08:41 AM



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Item ID:	D350-591-214	Accept		Setup	Start	
Revision ID:	A					
Item Name:	Heli-Access-Step, Short RH				Stop	
Start Date:	11/18/2009	Start Qty: 5.00				
Required Date:	11/18/2009	Req'd Qty: 5.00				
Reference:	ECN 09-645					
Approvals:	Process Plan: <u>mf</u>	Date: <u>09-11-18</u>	Tooling:		Date:	
	QC:	Date:	SPC (Y/N):		Date:	
				Run	Start	
					Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
	<b>Draw Nbr</b>	<b>Revision Nbr</b>							
	D3078	A							
	DSI 9472	A							
310	Pick Kit	0.00							
	Packaging	Memo	0.00						9/11/18 5x sl
Packaging		PULL FROM STOCK D350-591-214 X 5 B 51167							
		ADD BOLTS AN4-16A TO KITS PER <u>ECN 09-645</u>							
320	QC4- 100% Inspect kits for completeness	0.00							
	QC	Memo	0.00						
Quality Control		ID AND STOCK WITH NEW BATCH NUMBER AND CHG NUMBER							003 Sordwlg
		UPDATE PAPERWORK: ADD DSI 9472 TO ALL KITS IN STOCK							

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			






**NOTE:** Date & initial all entries



# Work Order ID 53776


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Item ID: D350-591-214 Accept  Setup Start   
Revision ID: A Stop   
Item Name: Heli-Access-Step, Short RH  
Start Date: 11/18/2009 Start Qty: 5.00  Cust Item ID:  
Required Date: 11/18/2009 Req'd Qty: 5.00  Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start   
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop 

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
330  QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00  0.00							

(5)

09/11/18

mf  
09.11-18

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 53776

Parent Item: D350-591-214RevA

Parent Item Name: Heli-Access-Step, Short RH

Comments:

Start Date: 11/18/2009

Required Date: 11/18/2009

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN4-16A 		Purchased	No				Each	304.0000	20.0000		9/11/18	SCD
Bolt												

Warehouse      Loc Qty      Loc Code

Location

Main Warehouse

ST

304

112641

8

112969

296

D350-591-214RevA

Manufactured No



Heli-Access-Step, Short RH

Each

7.0000

5.0000

20xSD

9/11/18 SH

<b>DART</b>			
Dart Aerospace Ltd.			
1270 ABERDEEN ST.			
HAWKESBURY, ON, CANADA K6A 1K7			
TC APPROVAL # 09-89		TEL: 1-613-632-5200	
P.N	D350-591-214	CHG	CHG002
DESC.	Heli-Access Step RH High	STC	SH92-6
LOT	B51167	STC	SH967NE
MODEL	AS350/355	STC	
MADE IN CANADA			
D2729-1			

Warehouse      Loc Qty      Loc Code

Location

HONG KONG

FG

2

20747

0

39478

2

51167

5

done

SH

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# List Lots

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Criteria : Item ID: D350-591-214RevA All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D350-591-214RevA Heli-Access-Step, Short RH	HONG KONG	39478	8/31/2009	2.0000		QC21	CHG002	
	FG							
	Main Warehouse	20747		0.0000		QC21		
	FG							
	Main Warehouse	51167	11/18/2009	5.0000 ✓		QC21	CHG002	
	FG							
Total:				7.0000				

mx  
09-11-18

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date: 09.08.21	Job No.:	ADR Yes/No: Y	ADR Date: 09.08.19	ECN #: 09- 645
Product No.: D350-591		Created By: <i>[Signature]</i>	Approved By: <i>[Signature]</i>	
Product Name: HELI-ACCESS-STEPS		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	<i>[Signature]</i> 09-08-24
Production Engineering Coord	Y	EC/DD	<i>[Signature]</i> 09-08-24
Production Document Control	Y	BG	<i>[Signature]</i> 09-08-24
Customer Technical Support	Y	DStw	<i>[Signature]</i> 09-08-24

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	N		
QC Coordinator	Y	JM	<i>[Signature]</i> 09-08-24
Marketing	Y	SW	<i>[Signature]</i> 09-08-25
Customer Order Processing	N		

**Reason for Change:**  
Add missing hardware

**Documents Affected:**  
Release  
- DSI 9472 Rev. A

**PARTS MUST COMPLY**



**PREVIOUS PARTS SATISFACTORY**



#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		09.08.24 <i>[Signature]</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		09.08.24 <i>[Signature]</i>
10	Update Controlled PDF Files	Y	KJ		09.08.24 <i>[Signature]</i>
11	Update Master Document List (MDL)	Y	CP	Rev. C	09.08.24 <i>[Signature]</i>
12	Update Document Record (DR)	Y	KJ	Rev. O	09.08.25 <i>[Signature]</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	Y	KJ	D350-591-213/-214/-215/-216 steps @ CHG 003	09.08.24 <i>[Signature]</i>
18	Create / Update PPP's	Y	KJ		09.08.24 <i>[Signature]</i>
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	Y	CP		09.08.24 <i>[Signature]</i>
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		09.08.24 <i>[Signature]</i>
22					
23					

**Description / Action:**

- DSI 9472 Rev. A adds AN-16A bolts to D350-591-213/-214/-215/-216 steps
- update affected kits in stock with bolts, DSI, and new change number

*D 350-591-213 - B 44129 x 1, B 48550 x 2, B 51165 x 6*  
*D 350-591-214 - B 51167 x 5*  
*D 350-591-215 - B 32701 x 1, B 34977 x 2*  
*D 350-591-216 - B 34978 x 2*  
*New Batch # 63776*

ECN Verified & Complete: *[Signature]*

Date: 09/08/27



# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-591 REV. G OR EARLIER  
AND  
INSTRUCTIONS OF CONTINUED AIRWORTHINESS ICA-D350-591 REV. 2 OR EARLIER  
REF CANADIAN STC: SH92-6  
REF FAA STC: SH967NE

For D350-591-213/-214/-215/-216 steps, customers have the option of installing D2732-030 cushion under the clamps to accommodate varying crosstube diameters and to improve fit, as indicted in Installation Instructions D350-591. This Service Instruction adds longer AN4-16A bolts to the parts list to allow installation of these cushions. See Figure 1 on sheet 2 of this service instruction for reference. Installation of the D2856-400-720 Abrasion Strips per Installation Instructions D350-591 is not required when the cushions are installed.

For D350-591-213/-214/-215/-216 steps at CHG 003, the parts list of D350-591 Rev. G and ICA-D350-591 Rev. 2 is amended as follows:

## ADD:

Qty -213	Qty -214	Qty -215	Qty -216	Part Number	Description
X				D350-591-213	Heli-Access-Step™, Short Step – High Skid, LH
	X			D350-591-214	Heli-Access-Step™, Short Step – High Skid, RH
		X		D350-591-215	Heli-Access-Step™, Short Step – Low Skid, LH
			X	D350-591-216	Heli-Access-Step™, Short Step – Low Skid, RH
4	4	4	4	AN4-16A	BOLT

#53776

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 09.08.05  
CERT. NO.: SH92-6  
ISSUE NO.: 11

A	NEW ISSUE	RF	09.08.05
REV.	DESCRIPTION	BY	DATE
DESIGN	92	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	U	DRAWING NO.	REV. A
MFG. APPR.	NCA	DSI 9472	SHEET 1 OF 2
APPROVED	AN	TITLE	SCALE
DE APPR.	11	BOLT ADDITION	NTS
DATE	09.08.05	COPYRIGHT © 2009 BY DART AEROSPACE LTD	
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